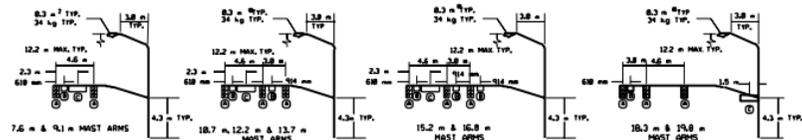
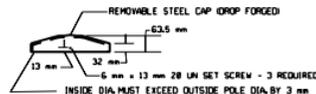
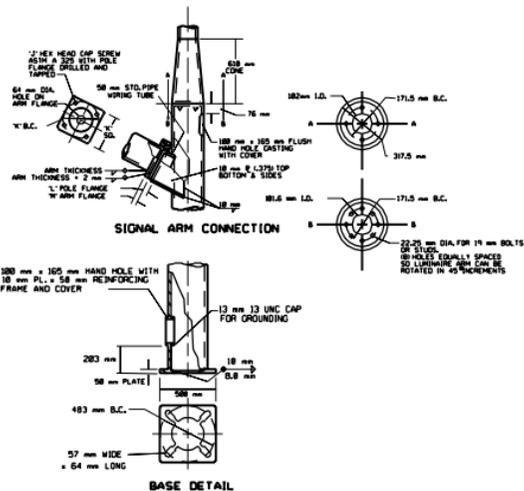


DESIGN INFORMATION

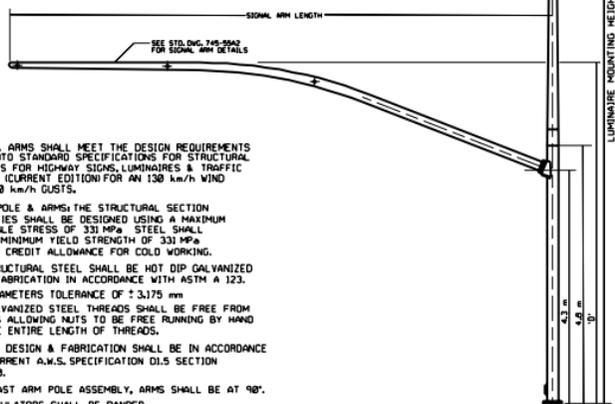
(SEE NOTE 1)



DEVICE	DESCRIPTION	PROJ. AREA (sq ft)	WEIGHT (kg)
14) SIGNAL	305 mm SECTION WITH 152 mm BACK PLATE	8.92 m ²	25 kg
15) SIGN	REGULATORY 640 mm x 762 mm	8.46 m ²	9 kg
17) SIGN	STREET NAME 480 mm x 274 mm	6.90 m ²	29 kg



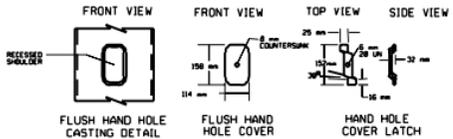
STEEL POLE CAP DETAIL (REMOVABLE)



- NOTE:**
- POLES & ARMS SHALL MEET THE DESIGN REQUIREMENTS OF AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES & TRAFFIC SIGNALS (CURRENT EDITION) FOR AN 130 km/h WIND WITH 178 km/h GUSTS.
 - STEEL POLE & ARMS: THE STRUCTURAL SECTION PROPERTIES SHALL BE DESIGNED USING A MAXIMUM ALLOWABLE STRESS OF 333 MPa. STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 333 MPa WITH NO CREDIT ALLOWANCE FOR COLD WORKING.
 - ALL STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123.
 - TUBE DIMETERS TOLERANCE OF ± 3.175 mm
 - ALL GALVANIZED STEEL THREADS SHALL BE FREE FROM DEFECTS ALLOWING NUTS TO BE FREE RUNNING BY HAND FOR THE ENTIRE LENGTH OF THREADS.
 - WELDING DESIGN & FABRICATION SHALL BE IN ACCORDANCE WITH CURRENT A.S.S. SPECIFICATION D1.5 SECTION 1 THRU 5.
 - DUAL MAST ARM POLE ASSEMBLY, ARMS SHALL BE AT 90°.
 - ALL INSULATORS SHALL BE BANDED.
 - POLES & ARMS SHALL BE CIRCULAR CROSS SECTIONS.

FOR FOUNDATION REQUIREMENTS SEE STANDARD DRAWING 745-55C

ARM LENGTH	D	J	K	L	M
7.6 m to 13.7 m	6.2	32 mm - 7' 4" - 7.9 mm	356	38	32
15.2 m to 19.8 m	6.4	38 mm - 6' 8" - 100 mm	406	58	58



ATTACH LATCH & COVER TOGETHER WITH 6 mm x 50 mm UN FLAT HEAD BOLT. END OF BOLT TO BE PEENED.

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	11/22/2011	B.A.	ISSUES ELECTRICALLY FINISHED AS CHANGE IN CONCEPT

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
RECOMMENDED FOR APPROVAL
SALT LAKE CITY, UTAH

APPROVED FOR APPROVAL
DATE: 11/22/11
BY: B.A.

DESIGNED BY: B.A.
CHECKED BY: B.A.
IN CHARGE: B.A.

TRAFFIC SIGNALS
MAST ARM POLE AND
LUMINAIRE EXTENSION

STD. DWG. NO.
745-55A1